

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/528,845  
Source: PT/10  
Date Processed by STIC: 4/4/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



PCT

## RAW SEQUENCE LISTING

DATE: 04/04/2005

PATENT APPLICATION: US/10/528,845

TIME: 11:02:42

Input Set : A:\0185660SeqList.txt

Output Set: N:\CRF4\04042005\J528845.raw

3 <110> APPLICANT: DSM IP ASSETS B.V.  
 5 <120> TITLE OF INVENTION: A gene encoding vitamin B6 phosphate phosphatase and use thereof  
 7 <130> FILE REFERENCE: NDR5234  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/528,845  
 C--> 10 <141> CURRENT FILING DATE: 2005-03-23  
 12 <150> PRIOR APPLICATION NUMBER: EP 02021622.2  
 13 <151> PRIOR FILING DATE: 2002-09-27  
 15 <160> NUMBER OF SEQ ID NOS: 12  
 17 <170> SOFTWARE: PatentIn version 3.2  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 20  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Sinorhizobium meliloti  
 24 <400> SEQUENCE: 1  
 26 Ala His Ala Ile Asp Tyr Ser Val Val Pro Ala Asp Pro Ala Leu Gly  
 27 1 5 10 15  
 30 Glu Ala Ile Lys  
 31 20  
 34 <210> SEQ ID NO: 2  
 35 <211> LENGTH: 14  
 36 <212> TYPE: PRT  
 37 <213> ORGANISM: Sinorhizobium meliloti  
 39 <400> SEQUENCE: 2  
 41 Ile Asp Thr Ala Asn Ala Val Met Phe Glu Asp Leu Pro Arg  
 42 1 5 10  
 45 <210> SEQ ID NO: 3  
 46 <211> LENGTH: 23  
 47 <212> TYPE: PRT  
 48 <213> ORGANISM: Sinorhizobium meliloti  
 50 <400> SEQUENCE: 3  
 52 Asp His Gly Thr Thr Leu Gln Gly Leu Met Leu His His Gly Ile Asp  
 53 1 5 10 15  
 56 Pro Asn Asp Phe Leu Glu Arg  
 57 20  
 60 <210> SEQ ID NO: 4  
 61 <211> LENGTH: 10  
 62 <212> TYPE: PRT  
 63 <213> ORGANISM: Sinorhizobium meliloti  
 65 <400> SEQUENCE: 4  
 67 Met Lys Lys Leu Asp Arg Met Pro Thr His  
 68 1 5 10  
 71 <210> SEQ ID NO: 5  
 72 <211> LENGTH: 21

**Does Not Comply**  
**Corrected Diskette Needed**

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005

TIME: 11:02:42

Input Set : A:\0185660SeqList.txt

Output Set: N:\CRF4\04042005\J528845.raw

73 <212> TYPE: DNA  
 74 <213> ORGANISM: Artificial Sequence  
 76 <220> FEATURE:  
 77 <223> OTHER INFORMATION: Primer CN02  
 80 <220> FEATURE:  
 81 <221> NAME/KEY: modified base  
 82 <222> LOCATION: (12)..(12)  
 83 <223> OTHER INFORMATION: (I) if "inosine" is intended, please use "n" and  
 85 <220> FEATURE:  
 86 <221> NAME/KEY: modified base  
 87 <222> LOCATION: (18)..(18)  
 88 <223> OTHER INFORMATION: (I) explain in <2207-2223>  
 90 <400> SEQUENCE: 5 section. "a" can  
 91 atgaaraary tagaymgaat g only represent  
 94 <210> SEQ ID NO: 6 21 itself.  
 95 <211> LENGTH: 20  
 96 <212> TYPE: DNA  
 97 <213> ORGANISM: Artificial Sequence  
 99 <220> FEATURE:  
 100 <223> OTHER INFORMATION: Primer C642  
 103 <220> FEATURE:  
 104 <221> NAME/KEY: misc\_feature  
 105 <222> LOCATION: (12)..(12)  
 106 <223> OTHER INFORMATION: n is a, g, c or t  
 108 <220> FEATURE:  
 109 <221> NAME/KEY: misc\_feature  
 110 <222> LOCATION: (15)..(15)  
 111 <223> OTHER INFORMATION: n is a, g, c or t  
 113 <400> SEQUENCE: 6  
 W--> 114 tcytcaaca tncangcrtt 20  
 117 <210> SEQ ID NO: 7  
 118 <211> LENGTH: 21  
 119 <212> TYPE: DNA  
 120 <213> ORGANISM: Artificial Sequence  
 122 <220> FEATURE:  
 123 <223> OTHER INFORMATION: Primer C101  
 125 <400> SEQUENCE: 7  
 126 gccgaattcg cccatgtcac c 21  
 129 <210> SEQ ID NO: 8  
 130 <211> LENGTH: 21  
 131 <212> TYPE: DNA  
 132 <213> ORGANISM: Artificial Sequence  
 134 <220> FEATURE:  
 135 <223> OTHER INFORMATION: Primer C102  
 137 <400> SEQUENCE: 8  
 138 cgccgtgtcg atgcggtgaa g 21  
 141 <210> SEQ ID NO: 9  
 142 <211> LENGTH: 708  
 143 <212> TYPE: DNA

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005

TIME: 11:02:42

Input Set : A:\0185660SeqList.txt

Output Set: N:\CRF4\04042005\J528845.raw

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144 <213> ORGANISM: Sinorhizobium meliloti
147 <220> FEATURE:
148 <221> NAME/KEY: CDS
149 <222> LOCATION: (1)..(708)
151 <400> SEQUENCE: 9
152 atg aag aag ctc gac cgc atg ccg acc cac gcc gaa ttc gcc cat gtc      48
153 Met Lys Lys Leu Asp Arg Met Pro Thr His Ala Glu Phe Ala His Val
154 1          5          10          15
156 acc gac tgg gtc ttc gac ctc gac aac acg ctc tat ccg cat cac gtc      96
157 Thr Asp Trp Val Phe Asp Leu Asp Asn Thr Leu Tyr Pro His His Val
158          20          25          30
160 aat ctg ttc tca cag atc gac cgc aac atg acg gcc tat gtt gcc gaa      144
161 Asn Leu Phe Ser Gln Ile Asp Arg Asn Met Thr Ala Tyr Val Ala Glu
162          35          40          45
164 ctc ctg tgc ctg gag cct gcg gag gcg aag aag ctg cag aag gaa tac      192
165 Leu Leu Ser Leu Glu Pro Ala Glu Ala Lys Lys Leu Gln Lys Glu Tyr
166          50          55          60
168 tac cgc gac cac ggc acc acg ctt cag ggc ctg atg ctt cat cac ggc      240
169 Tyr Arg Asp His Gly Thr Leu Gln Gly Leu Met Leu His His Gly
170 65          70          75          80
172 atc gat ccc aat gat ttc ctc gaa aga gcc cac gcc atc gac tat agc      288
173 Ile Asp Pro Asn Asp Phe Leu Glu Arg Ala His Ala Ile Asp Tyr Ser
174          85          90          95
176 gtg gtg ccg gcc gat ccg gcg ctc ggc gag gcg atc aag gcg ctg ccc      336
177 Val Val Pro Ala Asp Pro Ala Leu Gly Glu Ala Ile Lys Ala Leu Pro
178          100          105          110
180 gga cgc aag ttc atc ttc acc aac ggc agc gtc gcc cat gcg gag atg      384
181 Gly Arg Lys Phe Ile Phe Thr Asn Gly Ser Val Ala His Ala Glu Met
182          115          120          125
184 acc gcg ccg gcg ctc ggc att ctc gag cat ttc aac gac atc ttc gac      432
185 Thr Ala Arg Ala Leu Gly Ile Leu Glu His Phe Asn Asp Ile Phe Asp
186          130          135          140
188 atc gtc gcc gcc ggc ttc ata ccg aag ccc gcc ggc gac acc tac gac      480
189 Ile Val Ala Ala Gly Phe Ile Pro Lys Pro Ala Gly Asp Thr Tyr Asp
190 145          150          155          160
192 aag ttc atg ggc ctt cac cgc atc gac acg gcg aat gag gtg atg ttc      528
193 Lys Phe Met Gly Leu His Arg Ile Asp Thr Ala Asn Glu Val Met Phe
194          165          170          175
196 gag gat ctg ccg cgc aac ctg gtc gtc cct aag gcg ctc ggc atg aag      576
197 Glu Asp Leu Pro Arg Asn Leu Val Val Pro Lys Ala Leu Gly Met Lys
198          180          185          190
200 acg gtg ctg ctc gtg ccg cgc aat ctc gaa tac gag ttc gcc gag gcc      624
201 Thr Val Leu Leu Val Pro Arg Asn Leu Glu Tyr Glu Phe Ala Glu Ala
202          195          200          205
204 tgg gaa acg tgc agc gac gcg gac gat cag atc gac tac gtc acg gaa      672
205 Trp Glu Thr Ser Ser Asp Ala Asp Asp Gln Ile Asp Tyr Val Thr Glu
206          210          215          220
208 gac ctg gcg ggt ttc ctg cgc agt gtg att gtt tag      708
209 Asp Leu Ala Gly Phe Leu Arg Ser Val Ile Val

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DATE: 04/04/2005

TIME: 11:02:42

Input Set : A:\0185660SeqList.txt

Output Set: N:\CRF4\04042005\J528845.raw

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210 225                230                235
213 <210> SEQ ID NO: 10
214 <211> LENGTH: 235
215 <212> TYPE: PRT
216 <213> ORGANISM: Sinorhizobium meliloti
218 <400> SEQUENCE: 10
220 Met Lys Lys Leu Asp Arg Met Pro Thr His Ala Glu Phe Ala His Val
221 1      5      10      15
224 Thr Asp Trp Val Phe Asp Leu Asp Asn Thr Leu Tyr Pro His His Val
225      20      25      30
228 Asn Leu Phe Ser Gln Ile Asp Arg Asn Met Thr Ala Tyr Val Ala Glu
229      35      40      45
232 Leu Leu Ser Leu Glu Pro Ala Glu Ala Lys Lys Leu Gln Lys Glu Tyr
233      50      55      60
236 Tyr Arg Asp His Gly Thr Thr Leu Gln Gly Leu Met Leu His His Gly
237 65      70      75      80
240 Ile Asp Pro Asn Asp Phe Leu Glu Arg Ala His Ala Ile Asp Tyr Ser
241      85      90      95
244 Val Val Pro Ala Asp Pro Ala Leu Gly Glu Ala Ile Lys Ala Leu Pro
245      100     105     110
248 Gly Arg Lys Phe Ile Phe Thr Asn Gly Ser Val Ala His Ala Glu Met
249      115     120     125
252 Thr Ala Arg Ala Leu Gly Ile Leu Glu His Phe Asn Asp Ile Phe Asp
253      130     135     140
256 Ile Val Ala Ala Gly Phe Ile Pro Lys Pro Ala Gly Asp Thr Tyr Asp
257 145     150     155     160
260 Lys Phe Met Gly Leu His Arg Ile Asp Thr Ala Asn Glu Val Met Phe
261      165     170     175
264 Glu Asp Leu Pro Arg Asn Leu Val Val Pro Lys Ala Leu Gly Met Lys
265      180     185     190
268 Thr Val Leu Leu Val Pro Arg Asn Leu Glu Tyr Glu Phe Ala Glu Ala
269      195     200     205
272 Trp Glu Thr Ser Ser Asp Ala Asp Asp Gln Ile Asp Tyr Val Thr Glu
273      210     215     220
276 Asp Leu Ala Gly Phe Leu Arg Ser Val Ile Val
277 225      230      235
280 <210> SEQ ID NO: 11
281 <211> LENGTH: 32
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Primer P101
288 <400> SEQUENCE: 11
289 gaagcttccc gggccgtgtc ataaacccgc cc
292 <210> SEQ ID NO: 12
293 <211> LENGTH: 32
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005

TIME: 11:02:42

Input Set : A:\0185660SeqList.txt

Output Set: N:\CRF4\04042005\J528845.raw

298 &lt;223&gt; OTHER INFORMATION: Primer P102

300 &lt;400&gt; SEQUENCE: 12

301 caagcttccc gggatcatcg ccgggtttta cg

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005  
TIME: 11:02:43

Input Set : A:\0185660SeqList.txt  
Output Set: N:\CRF4\04042005\J528845.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 12, 15

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/528,845

DATE: 04/04/2005

TIME: 11:02:43

Input Set : A:\0185660SeqList.txt

Output Set: N:\CRF4\04042005\J528845.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0